

# ***PGB ENGINEERING, LLC***

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August 20, 2025

Hingham Planning Board  
210 Central Street  
Hingham, MA 02043

Subject: **1192 Main Street, Site Plan**

Dear Planning Board Members:

This is to advise that we have reviewed the following documents associated with the proposed dwelling at the subject site:

- Site Plan (3 sheets), dated July 21, 2025, prepared by Merrill Engineers and Land Surveyors (Merrill)
- Septic Design Plan (2 sheets), dated July 21, 2025, prepared by Merrill<sup>1</sup>
- Architectural drawings (7 sheets), dated September 9, 2024
- Stormwater Report, dated July 21, 2025, prepared by Merrill
- Major Site Plan Review Application, dated July 21, 2025, prepared by Merrill
- Email comments from Mr. Silveira to the Applicant's team

The purpose of our review has been to evaluate conformance with Hingham Zoning By-Laws (ZBL), MassDEP Stormwater Management Standards (SMS) and good engineering practice.

## **Background**

The ±50,050 square foot (s.f.) lot, at 1192 Main Street, is located within the Residence B zoning district. It is also located in the Accord Pond Watershed / Hingham Aquifer Protection District and Zone II of a public well. The site was previously developed with a larger building that was demolished in 2015. There are components from the old septic system as well as paved driveways and parking areas on site from the former use. There are wetlands on the property to the south, and they encroach into the southeast corner of the subject property.

The proposal calls for removal of the existing septic components and paved areas and construction of a single-family dwelling with attached garage, paved driveway, hardscaping and landscaping. The project will result in an increase of impervious area of 968 s.f. To mitigate the runoff generated from the additional impervious area, two proposed subsurface infiltration systems, consisting of plastic chambers surrounded by crushed stone, are proposed. Runoff from portions of the roof of the proposed dwelling will be discharged into the two subsurface infiltration systems. There is an onsite septic system proposed for the dwelling. Water and natural gas services will be connected to existing mains in Main Street. Electric and communication utilities would be underground from an existing utility pole located in front of the property. A silt sock is proposed as a perimeter erosion control barrier around the limit of work and a stabilized construction entrance is proposed at the proposed driveway location. Three trees are proposed to be removed, but none are within the Tree Yard.

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<sup>1</sup> We are reviewing the septic plan for the Board of Health.

**Comments**

1. The Site Plan and the Septic Design Plan both indicate that a four-bedroom dwelling is proposed. However, five bedrooms are shown on the architectural drawings, one on the first floor and four on the second floor. Hingham Board of Health Regulations will only allow four bedrooms on a lot of this size (12,500 s.f. of land area is required for each bedroom).
2. The layout of the dwelling in plan on Architectural Sheet A-0 is in the wrong location and it is mirrored from the layout shown in the other architectural drawings, the Site Plan and the rendering on A-0.
3. The bottom of stone elevation on the detail for Subsurface Infiltration System #2 on Sheet 2 of the Site Plan should be 133.0.
4. The subsurface infiltration system details should show the inspection ports on top of the chambers and not off to the sides of them. The locations of the proposed inspection ports should be shown in plan, and we recommend that the inspection ports be located on the chambers with the inlet pipes.
5. As noted above, the site is located within Zone II of a public well. This should be noted in the Standard 6 – Critical Areas section of the Stormwater Report.

Please give us a call should you have any questions.

Very truly yours,

PGB Engineering, LLC

By:



Patrick G. Brennan, P.E.



PGB